

CLAIMS

What is claimed is:

- 5 1. An apparatus for extrusion of hollow bodies comprising:
an inner collar;
an outer collar;
a middle collar;
an interior web which radially joins the inner collar to the middle collar; and
10 an exterior web which radially joins the outer collar to the middle collar;
each interior web and exterior web, relative to the middle collar, forming a web
pair, the webs of the web pair being arranged so they at least partially overlap as
viewed in a radial direction.
- 15 2. The apparatus of claim 1, wherein the webs of the web pair are turned about a
common axis.
3. The apparatus of claim 1, wherein the web pair is diametrically opposite in relation
to the common axis.
- 20 4. The apparatus of claim 1, further comprising a radial borehole that extends from the
outer collar through the web pair and the middle collar to the inner collar.
5. The apparatus of claim 4, wherein the radial borehole is suitable to accommodate
25 measurement and/or supply lines.
6. The apparatus of claim 5, wherein the supply lines include power lines.
7. The apparatus of claim 1, wherein the webs of the web pair are arranged so they
30 have an essentially common onflow axis and different end axes.

8. The apparatus of claim 1, wherein the webs of the webbed pair are streamlined in cross-section.
- 5 9. The apparatus of claim 8, wherein the cross-section of the web is teardrop-shaped.
10. The apparatus of claim 1, wherein the apparatus is configured to form hollow bodies that include PVC-hard, compact, and foamed pipes.
- 10 11. A device for extruding hollow bodies comprising:
- an inner collar;
 - an outer collar;
 - a middle collar;
 - an interior web which radially joins the inner collar to the middle collar; and
 - 15 an exterior web which radially joins the outer collar to the middle collar;
- the collars being arranged such that a linear borehole extends from the outside collar, through the middle collar, and into the inner collar.
12. A method for extrusion of hollow bodies comprising:
- 20 injecting a melt into a webbed mandrel, the webbed mandrel having an interior collar, an exterior collar, and a middle collar;
- in the webbed mandrel, dividing the melt around an interior web which radially joins the inner collar to the middle collar;
 - in the webbed mandrel, dividing the melt around an exterior web which radially
 - 25 joins the outer collar to the middle collar; and
- flowing the melt around a web pair formed from an interior web and an exterior web, relative to the middle collar, the webs of the web pair being arranged so they at least partially overlap in a radial direction.

13. The method of claim 12, wherein the webs of the web pair are turned about a common axis.

14. The method of claim 13, wherein the web pair is diametrically opposite in relation
5 to the common axis.

15. The method of claim 12, further comprising the step of boring a radial borehole that extends from the outer collar through the web pair and the middle collar to the inner collar.
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16. The method of claim 15, wherein the radial borehole is suitable to accommodate measurement and/or supply lines.

17. The method of claim 16, wherein the supply lines include power lines.
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18. The method of claim 12, wherein the webs of the web pair are arranged so they have an essentially common onflow axis and different end axes.

19. The method of claim 12, wherein the webs of the webbed pair are streamlined in
20 cross-section.

20. The method of claim 19, wherein the cross-section of the web is teardrop-shaped.

21. An apparatus for extrusion of hollow bodies comprising:
25 means for directing a melt around an interior web and an exterior web; and
means for providing a linear borehole from the exterior web to the interior web.